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Vincent 

COVER SHEET ONLY

1 FEB 1960

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T A L E N T

"THIS DOCUMENT CONTAINS
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THE UNITED STATES WITHIN
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SECS. 793 & 794, THE TRANS-
MISSION OR REVELATION OF
WHICH IN ANY MANNER TO
AN UNAUTHORIZED PERSON
IS PROHIBITED BY LAW"

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CLASSIFICATION SECRET

SECRET

TSC-6884-60
Copy L of 5

10 FEB 1961

MEMORANDUM FOR: Record

SUBJECT : Operational Report of Mission 8007, Modified System VI

1. The slave recorder started to malfunction approximately 20 minutes after the take-off. The speed dropped slowly until it finally reached about one-half the normal rate. The playback machine, used in the playback for evaluation purposes, required constant speed adjustment to maintain the tape speed at the proper level. The malfunction was noted on the data sheet by the field crew, however, so it is assumed that an effort is being made to correct the trouble.

2. Except for the first 17 minutes of operation, the L band receiver was masked by a 400 cps tone which caused a complete loss of unfriendly intercepts. Malfunctions of the L band receiver have been quite common in the past. On one previous mission a malfunction similar to the one experienced this time was encountered. On other flights the L band receiver failed after a brief period of operation and was completely quiet. It is felt that the success of the L band receiver system has been somewhat sub-standard in the past, in comparison to the other receivers and is in need of corrective maintenance procedures.

3. Although the S band equipment operated throughout the entire mission and was quite active, one trouble was noted which warrants investigation and correction. When the S band receiver was in the left antenna position a strong 100 cps tone was heard. The tone varied in strength but was present throughout the entire mission. The tone seemed to vary in frequency and in amplitude with the 400 cps tone in the L band receiver, so it is believed that the two tones were closely related and possibly the result of the same trouble.

4. The switching of the antennas for left and right operation, was operating correctly on this flight. The indication was reversed on several previous flights but appears to have been repaired.

25X1

for

Chief, ELINT Branch, ED/SI

SECRET

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EXCLUDED FROM AUTOMATIC
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DECLASSIFICATION

SECRETTSC-6884-60
Copy 2 of 5

1 FEB 1960

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2. Except for the first 17 minutes of operation, the L band receiver was masked by a 400 cps tone which caused a complete loss of unfriendly intercepts. Malfunctions of the L band receiver have been quite common in the past. On one previous mission a malfunction similar to the one experienced this time was encountered. On other flights the L band receiver failed after a brief period of operation and was completely quiet. It is felt that the success of the L band receiver system has been somewhat sub-standard in the past, in comparison to the other receivers and is in need of corrective maintenance procedures.

3. Although the S band equipment operated throughout the entire mission and was quite active, one trouble was noted which warrants investigation and correction. When the S band receiver was in the left antenna position a strong 100 cps tone was heard. The tone varied in strength but was present throughout the entire mission. The tone seemed to vary in frequency and in amplitude with the 400 cps tone in the L band receiver, so it is believed that the two tones were closely related and possibly the result of the same trouble.

4. The switching of the antennas for left and right operation, was operating correctly on this flight. The indication was reversed on several previous flights but appears to have been repaired.

Chief, ELINT Branch, ED/SI

25X1

SECRETHANDLE VIA TALENT
CONTROL SYSTEM ONLY

MISSION NR: 8007
CARTY BASE: 24-24-23
CAPTAIN TROTT
ELECTRONICS: 578 346

ADANA
3700/3529
A 000

DEC 1958

NOTE:

0 NO FLT LINE TARGETS.

0 TRACKER, NO POSITION, 1400.10
FOUNT F.

T/S 80471
COPY 1
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TOP SECRET

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